

FUEL-REGENERABLE FUEL CELL, SYSTEM AND PROCESS FOR GENERATING POWER AND PROCESS FOR REGENERATING FUEL

Abstract of the Disclosure

[0075] A process for generating power includes (1) generating power from a fuel cell including a fuel electrode, an air electrode and an electrolyte membrane sandwiched therebetween wherein the fuel electrode is made of an alloy including platinum, and a fuel is a liquid including a secondary alcohol, by directly feeding the fuel to the fuel electrode; (2) contacting the air electrode in the fuel cell with an oxidizable material and applying a current from an external electric source between the fuel electrode as negative and the air electrode as positive, after step (1); and (3) generating power from the fuel cell after step (2).

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